



---

# Customer information packet

## VSPM3157T

2HP, 1770RPM, 3PH, 60HZ, 145TC, 3538M, OPSB, F1

Class - None

Division - Not Applicable

## Specifications

|                                |                                                             |
|--------------------------------|-------------------------------------------------------------|
| Enclosure                      | ODP                                                         |
| Frame                          | 145TC                                                       |
| Frame Material                 | Steel                                                       |
| Frequency                      | 60.00 Hz                                                    |
| Haz Area Class and Group       | None                                                        |
| Haz Area Division              | Not Applicable                                              |
| Motor Letter Type              | Three Phase                                                 |
| Output @ Frequency             | 2.000 HP @ 60 HZ                                            |
| Phase                          | 3                                                           |
| Synchronous Speed @ Frequency  | 1800 RPM @ 60 HZ                                            |
| Voltage @ Frequency            | 460.0 V @ 60 HZ<br>230.0 V @ 60 HZ                          |
| Agency Approvals               | CURUSEEV<br>NEMA_PREMIUM<br>WEEE                            |
| Ambient Temperature            | 40 °C                                                       |
| Auxiliary Box                  | NO AUXILLARY BOX                                            |
| Auxiliary Box Lead Termination | None                                                        |
| Base Indicator                 | No Mounting                                                 |
| Bearing Grease Type            | Polyrex EM (-20F +300F)                                     |
| Blower                         | None                                                        |
| Current @ Voltage              | 5.400 A @ 230.0 V<br>5.800 A @ 208.0 V<br>2.700 A @ 460.0 V |
| Design Code                    | B                                                           |
| Drip Cover                     | No Drip Cover                                               |
| Duty Rating                    | CONT                                                        |
| Efficiency @ 100% Load         | 88.5 %                                                      |
| Electrically Isolated Bearing  | Not Electrically Isolated                                   |
| Feedback Device                | NO FEEDBACK                                                 |
| Front Shaft Indicator          | None                                                        |
| Heater Indicator               | No Heater                                                   |

## Part detail

|              |            |
|--------------|------------|
| Revision     | B          |
| Type         | AC         |
| Mech. spec.  | 35E6388    |
| Base         |            |
| Status       | PRD/A      |
| Elec. spec.  | 35WGZ966   |
| Layout       | 35LYE6388  |
| Eff. date    | 11-19-2025 |
| CD Diagram   | CD0005     |
| Poles        | 04         |
| Leads        | 9#18       |
| Proprietary  | False      |
| Created date | 01-05-2024 |

|                               |                     |
|-------------------------------|---------------------|
| High Voltage Full Load Amps   | 2.7 a               |
| Insulation Class              | F                   |
| Inverter Code                 | Inverter Duty       |
| KVA Code                      | L                   |
| Lifting Lugs                  | No Lifting Lugs     |
| Locked Bearing Indicator      | Locked Bearing      |
| Max Speed                     | 2700 rpm            |
| Motor Lead Quantity/Wire Size | 9 @ 18 AWG          |
| Motor Lead Termination        | Flying Leads        |
| Motor Standards               | NEMA                |
| Motor Type                    | 3538M               |
| Mounting Arrangement          | F1                  |
| Number of Poles               | 4                   |
| Overall Length                | 14.38 IN            |
| Power Factor                  | 75                  |
| Product Family                | General Purpose     |
| Pulley End Bearing Type       | Ball                |
| Pulley Face Code              | C-Face              |
| Pulley Shaft Indicator        | Standard            |
| Rodent Screen                 | None                |
| RoHS Status                   | ROHS COMPLIANT      |
| Service Factor                | 1.15                |
| Shaft Diameter                | 0.875 IN            |
| Shaft Ground Indicator        | No Shaft Grounding  |
| Shaft Rotation                | Reversible          |
| Shaft Slinger Indicator       | No Slinger          |
| Speed                         | 1770 rpm            |
| Speed Code                    | Single Speed        |
| Starting Method               | Direct on line      |
| Thermal Device - Bearing      | None                |
| Thermal Device - Winding      | None                |
| Vibration Sensor Indicator    | No Vibration Sensor |
| Winding Thermal 1             | None                |
| Winding Thermal 2             | None                |

## Nameplate

| NP4423A01A01L |               |        |    |         |      |               |       |    |       |    |      |  |  |
|---------------|---------------|--------|----|---------|------|---------------|-------|----|-------|----|------|--|--|
| CAT #         | VSPM3157T     |        |    |         |      | WGT           | 56    |    | LBS   |    |      |  |  |
| SPEC          | 35E6388Z966   |        |    |         |      | ENCL          | OPSB  |    |       |    |      |  |  |
| SER #         |               |        |    |         |      | CC            | 010A  |    | IP    | 23 |      |  |  |
| HP            | 2             |        |    | MAG CUR |      |               | 3/1.5 |    |       |    |      |  |  |
| VOLTS         | 230/460       |        |    |         |      | NEMA NOM. EFF |       |    |       |    | 88.5 |  |  |
| AMPS          | 5.4/2.7       |        |    |         |      |               | PF    | 75 |       |    |      |  |  |
| RATING        | 40C AMB-CONT  |        |    |         |      |               |       |    |       |    |      |  |  |
| RPM           | 1770          |        |    |         |      | MAX RPM       |       |    | 2700  |    |      |  |  |
| FRAME         | 145TC         |        | HZ | 60      |      | CODE          | L     |    | CLASS |    | F    |  |  |
| SER.F.        | 1.15          | SF AMP |    | 6/3     |      |               | PH    | 3  | DES   | B  |      |  |  |
| DE            | 6205          |        |    | ODE     |      | 6203          |       |    |       |    |      |  |  |
| LUBRICATION   | POLYREX EM    |        |    |         |      |               |       |    |       |    |      |  |  |
| ID LOGO       | INVERTER TYPE |        |    |         | VPWM |               | CHP   | 60 |       | TO | 90   |  |  |
| ID LOGO       | WK2           | 0.188  | CT | 6       | TO   | 60            | 10:1  |    |       |    |      |  |  |
| ID LOGO       | SL HZ         | 1.1    | VT | 3       | TO   | 60            | 20:1  |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |
|               |               |        |    |         |      |               |       |    |       |    |      |  |  |

## AC Induction Motor Performance Data

Record # 96359

Preliminary Data Sheet

| Winding: 35WGZ966-R001 |    |              | Type: 3538M                              |                           | Enclosure: OPSB  |                       |        |        |
|------------------------|----|--------------|------------------------------------------|---------------------------|------------------|-----------------------|--------|--------|
| Nameplate Data         |    |              | 460 V, 60 Hz:<br>High Voltage Connection |                           |                  |                       |        |        |
| Rated Output (HP)      |    | 2            | Full Load Torque                         |                           | 5.97 LB-FT       |                       |        |        |
| Volts                  |    | 230/460      | Start Configuration                      |                           | direct on line   |                       |        |        |
| Full Load Amps         |    | 5.4/2.7      | Breakdown Torque                         |                           | 24.8 LB-FT       |                       |        |        |
| R.P.M.                 |    | 1770         | Pull-up Torque                           |                           | 10.9 LB-FT       |                       |        |        |
| Hz                     | 60 | Phase        | 3                                        | Locked-rotor Torque       |                  | 16 LB-FT              |        |        |
| NEMA Design Code       |    | B            | KVA Code                                 | L                         | Starting Current |                       | 24.2 A |        |
| Service Factor (S.F.)  |    | 1.15         |                                          | No-load Current           |                  | 1.48 A                |        |        |
| NEMA Nom. Eff.         |    | 88.5         | Power Factor                             |                           | 75               | Line-line Res. @ 25°C |        | 7.62 Ω |
| Rating - Duty          |    | 40C AMB-CONT |                                          | Temp. Rise @ Rated Load   |                  | 31°C                  |        |        |
| S.F. Amps              |    | 6/3          |                                          | Temp. Rise @ S.F. Load    |                  | 36°C                  |        |        |
|                        |    |              |                                          | Locked-rotor Power Factor |                  | 51.9                  |        |        |
|                        |    |              |                                          | Rotor inertia             |                  | 0.274 lb-ft²          |        |        |

## Load Characteristics 460 V, 60 Hz, 2 HP

| % of Rated Load | 25   | 50   | 75   | 100  | 125  | 150  | S.F. |
|-----------------|------|------|------|------|------|------|------|
| Power Factor    | 37   | 58   | 71   | 78   | 83   | 86   | 81   |
| Efficiency      | 80.5 | 87.4 | 88.8 | 88.9 | 88.2 | 87.1 | 88.5 |
| Speed           | 1791 | 1785 | 1778 | 1770 | 1761 | 1753 | 1765 |
| Line amperes    | 1.59 | 1.86 | 2.25 | 2.7  | 3.21 | 3.78 | 3.01 |

ABB Motors and Mechanical Inc.

WINDING # 35WGZ966

Typical performance - not guaranteed values.

2 HP 3 PH 60 HZ 1770 RPM 460 V 3538M

TORQUES (LB-FT): PO=24.8 PU=10.9 LR=16 LRA=24.2





